

DP-302194

USE OF LITHIUM IN NO_x ADSORBERS FOR IMPROVED LOW
TEMPERATURE PERFORMANCE

ABSTRACT OF THE DISCLOSURE

Described herein is a NO_x adsorber that reduces the amount of NO_x in the exhaust stream of a lean-burn internal combustion engine. The adsorber incorporates a small amount of lithium along with a catalyst, an alkali material, and a support material. The lithium acts to facilitate the reduction of absorbed NO_x, thereby lowering NO_x concentrations in the exhaust gas.

5

006737 42974260